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SNOW COLLEGE RICHFIELD
PARKING IMPROVEMENTS
2008

PREPARED BY:

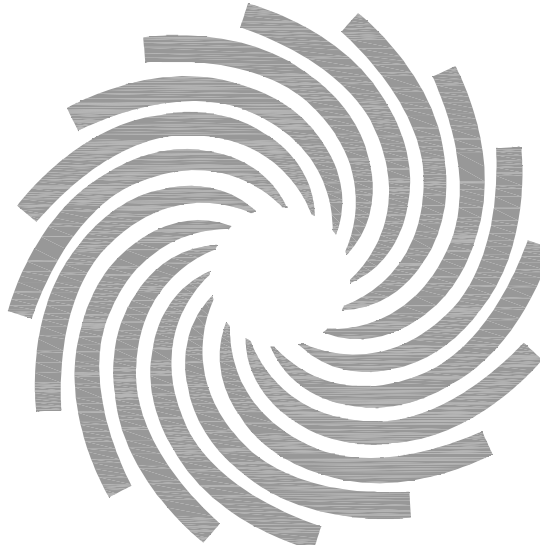
SUNRISE ENGINEERING, INC.

25 EAST 500 NORTH

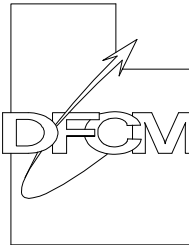
FILLMORE, UTAH 84631

TEL (435) 743-6151

FAX (435) 743-7900

SUNRISE
ENGINEERING

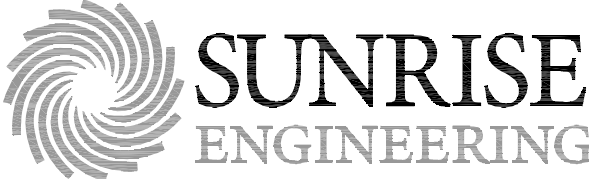
State of Utah
Department of Administrative Services



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4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
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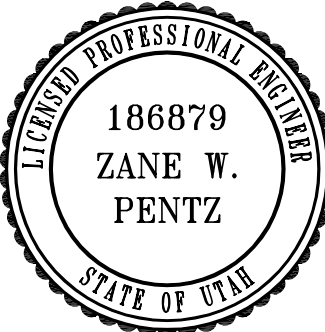
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ENGINEERING

PREPARED BY:
SUNRISE ENGINEERING, INC.
25 EAST 500 NORTH
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TEL. (435) 743-6151
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PROJECT NAME:

SNOW COLLEGE
RICHFIELD
PARKING
IMPROVEMENTS

ENGINEER'S STAMP



MARK	DATE	DESCRIPTION
ISSUE TYPE: 100%		
ISSUE DATE: March 10, 2008		
DFCM PROJECT NO: 07348710		
SEI PROJECT NO: 02897		
CAD DWG FILE: DDFMSCS-G002		
DRAWN BY: DLM		
CHK'D BY: ZWP		
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DRAWING TITLE		
TITLE SHEET		
DRAWING NUMBER		
G1		
SHEET	1	OF 16

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AREA MAP

IDAHO

WYOMING

NEVADA

COLORADO

ARIZONA

RICHFIELD

LEGEND

CROSS REFERENCING

NEW CONTOURS

EXIST. CONTOURS

DETAIL DESIGNATION

DRAWING NUMBER

The figure is a technical area map of Richfield, Utah. The map is oriented with North at the top, indicated by a north arrow in the upper right corner. The map shows the state of Utah divided into its counties: Box Elder, Cache, Benet, Morgan, Garfield, Kane, and San Juan. Major roads are shown as solid lines, with some labeled with route numbers (e.g., 89, 15, 40, 6, 131, 70, 50, 15, 80, 60, 15). The map is bordered by Idaho to the north, Wyoming to the northeast, Nevada to the west, and Arizona to the south. A thick black arrow points from the text 'RICHFIELD' to a specific location in the southeastern part of the state, near the border with Arizona. A legend at the bottom left explains the symbols used: a circle with a cross for 'CROSS REFERENCING', a solid line for 'NEW CONTOURS', and a dashed line for 'EXIST. CONTOURS'. To the right of the legend, there are two horizontal lines, one labeled 'DETAIL DESIGNATION' and the other 'DRAWING NUMBER'. On the far left, a vertical scale is marked with the letters A, B, C, and D from bottom to top.

AREA MAP

LOCATION MAP

LEGEND

CROSS REFERENCING
NEW CONTOURS
EXIST. CONTOURS

DETAIL DESIGNATION
DRAWING NUMBER

SHEET INDEX

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MEASUREMENT AND PAYMENT SCHEDULE.....	G4	4
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TYPICAL DETAILS		
TYPICAL DETAILS	D1-D3	8-10
LIGHTING SHEETS		
LIGHTING SHEETS—ELECTRICAL INDEX.....	E1	11
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AREA MAP, LOCATION MAP, LEGEND, & SHEET INDEX		
DRAWING NUMBER		
G2		
SHEET	2	OF 16


D

- C


Points

User name	bchristensen	Date & Time	3:53:13 PM 3/11/2008
Coordinate System	US State Plane 1983	Zone	Utah Central 4302
Project Datum	(WGS 84)		
Vertical Datum		Geoid Model	GEOID03 (Conus)
Coordinate Units	US survey feet		
Distance Units	US survey feet		
Height Units	US survey feet		

Back to top



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SUNRISE
ENGINEERING

PROJECT NAME:

C

A circular professional engineer seal for the State of Utah. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "STATE OF UTAH" at the bottom. The center of the seal displays the license number "186879" and the name "ZANE W. PENTZ".

ISSUE DATE: March 10, 2008

DRAWING TITLE

DRAWING NUMBER

SHEET 3 OF 16

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MEASUREMENT AND PAYMENT SCHEDULE

ITEM #	SECT. #	ITEM DESCRIPTION	UNIT OF MEASUREMENT	MEASUREMENT AND PAYMENT PROVISIONS
1	02000	MOBILIZATION	LUMP SUM	
2	02005	TRAFFIC CONTROL	LUMP SUM	INCLUDES THE COSTS FOR CHANNELIZING DEVICES, BARRICADES, ETC. REQUIRED FOR TRAFFIC CONTROL AND PEDESTRIAN SAFETY
3	02015	CLEARING AND GRUBBING	LUMP SUM	
4	02105	IMPORTED GRANULAR FILL	CUBIC YARD	USE IMPORTED GRANULAR FILL AS DIRECTED BY THE ENGINEER IF NATIVE MATERIAL IS UNSUITABLE FOR THE SUBGRADE. INCLUDES THE COST FOR REMOVING AND DISPOSING THE UNSUITABLE MATERIAL. MEASURED PER CUBIC YARD IN PLACE.
5	02105	UNTREATED BASE COURSE 4" THICK	SQUARE FEET	IN PLACE
6	02105	UNTREATED BASE COURSE 6" THICK	SQUARE FEET	IN PLACE
7	02227SP	60" DIAMETER DRAINAGE SUMP	EACH	INCLUDES EXCAVATION, BACKFILLING, CONCRETE APRON, METAL RING AND GRATE, GEOTEXTILE FABRIC, DRAIN GRAVEL, AND ALL OTHER MATERIALS AND WORK ASSOCIATED WITH THE DRAINAGE SUMP.
8	02202	EXCAVATION AND SUBGRADE PREPARATION	LUMP SUM	INCLUDES ALL COSTS FOR EXCAVATING, PREPARING THE SUBGRADE INCLUDING CONSTRUCTING EMBANKMENT FILL, BACKFILL WHERE REQUIRED FOR THE UNTREATED BASE COURSE AND CONCRETE AND ASPHALT SURFACING AT ALL SPECIFIED LOCATIONS INCLUDING REMOVING AND DISPOSING OF THE EXCESS EXCAVATED MATERIAL, COMPACTION NAD GRADING. VERIFY EXCAVATION QUANTITIES WITH RESPECT TO THE DESIGN GRADES.
9	02500	REMOVE ASPHALT PAVEMENT	SQUARE YARD	
10	02500	REMOVE CONCRETE CURB AND GUTTER	LINEAR FEET	IN PLACE
11	02500	REMOVE CONCRETE SIDEWALK	SQUARE YARD	IN PLACE
12	02500	REMOVE AND RELOCATE SIGN	EACH	INCLUDES ALL COST IN REMOVING EXISTING SIGN, SIGN POST, FOUNDATION, AND BACKFILLING EXISTING SIGN HOLE. ALSO INCLUDED ALL WORK REQUIRED TO INSTALL NEW SIGN POST, FOUNDATION AND INSTALL EXISTING SIGN ONTO SIGN POST.
13	02510	MATERIALS SAMPLING AND TESTING	LUMP SUM	
14	02511	3 1/2" HOT PLANT MIX BITUMINOUS SURFACING	SQUARE FEET	INCLUDES AGGREGATES, ASPHALT BINDER, ADDITIVES, TACK COAT, ETC.
15	02520	ASPHALT PAVEMENT SAWING	LINEAR FEET	SAWCUT FULL DEPTH.
16	02520	CONCRETE SAWING	LINEAR FEET	SAWCUT FULL DEPTH. INCLUDES THE COST FOR SAWING REINFORCING STEEL THAT MAY BE IN THE CONCRETE
17	02765SP	PAVEMENT MARKING PAINT	LUMP SUM	IN PLACE
18	02890	ACCESSIBLE PARKING SIGN	EACH	IN PLACE
19	02890	STOP SIGN	EACH	IN PLACE
20	03300	CONCRETE CURB AND GUTTER	LINEAR FEET	INCLUDES EXTRA WORK FOR CURB HEIGHT TRANSITIONS
21	03300	CONCRETE DRIVEWAY	SQUARE FEET	IN PLACE
22	03300	CONCRETE SIDEWALK 4" THICK	SQUARE FEET	IN PLACE
23	03300	PEDESTRIAN ACCESS RAMP	EACH	INCLUDES THE COST FOR THE DETECTABLE WARNING STRIP AND ADDITIONAL WORK REQUIRED FOR THE PEDESTRIAN ACCESS RAMP CONSTRUCTION. CONCRETE, UNTREATED BASE COURSE, AND EXCAVATION AND SUBGRADE PREPARATION FOR THE PEDESTRIAN ACCESS RAMP WILL BE MEASURED AND PAID FOR UNDER THEIR RESPECTIVE BID ITEMS.
24	16005SP	PARKING LOT LIGHTING SYSTEM	LUMP SUM	INCLUDES ALL COST FOR WORK REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING PARKING LOT LIGHTING SYSTEM

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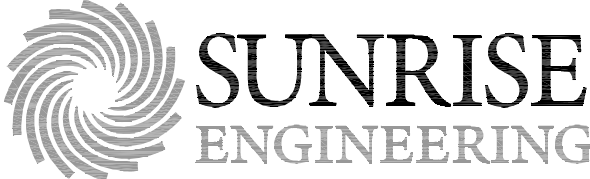
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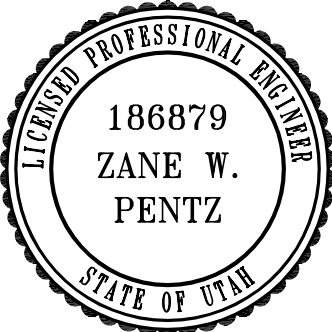


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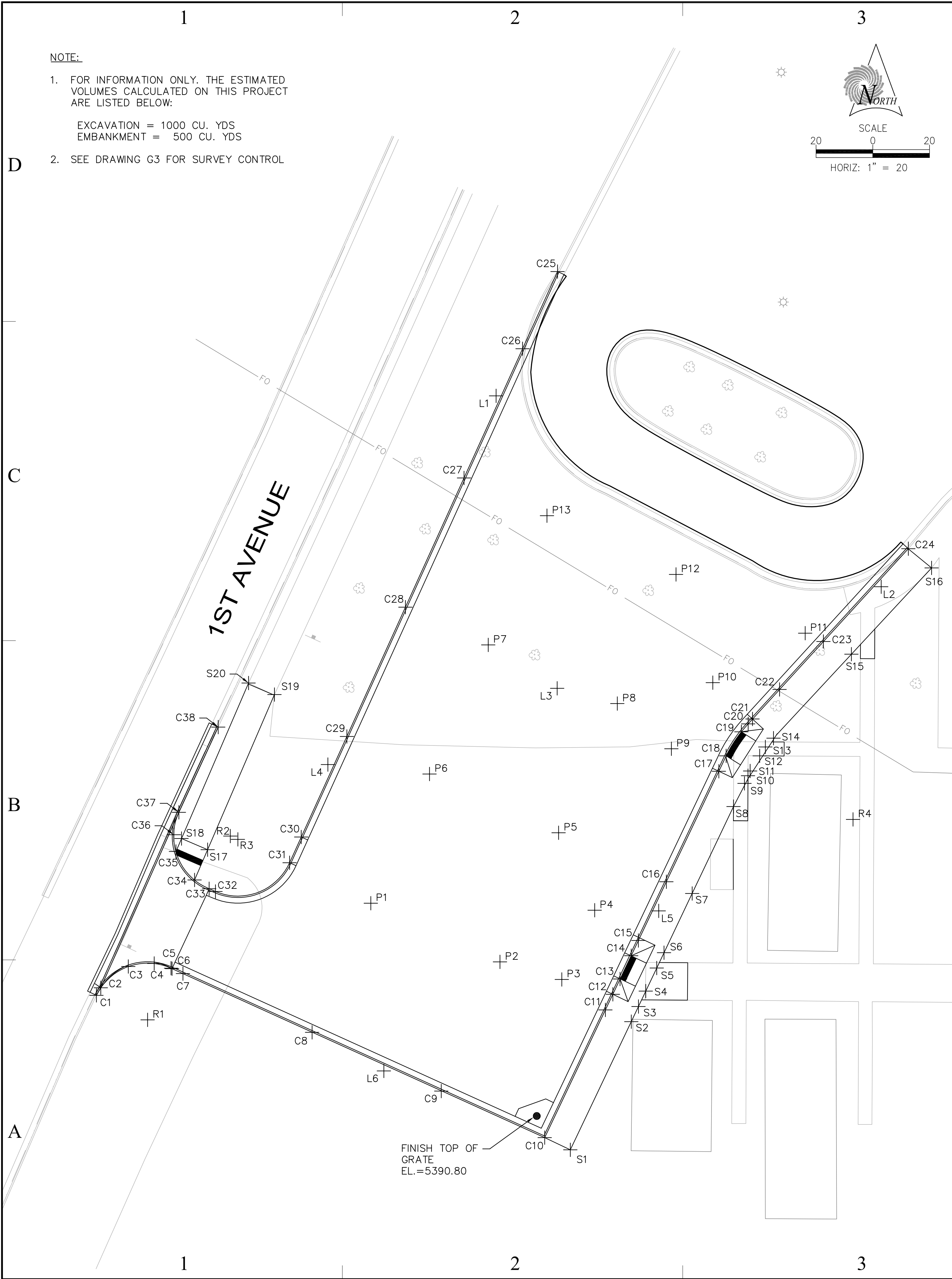
DRAWING TITLE

MEASUREMENT AND
PAYMENT SCHEDULE

DRAWING NUMBER

G4

SHEET 4 OF 16



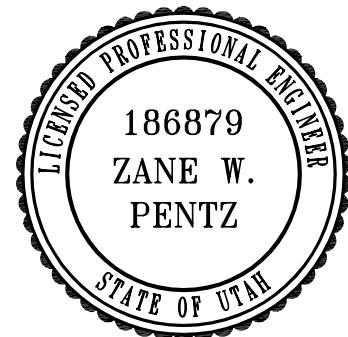
CONCRETE CURB AND GUTTER POINT TABLE						
POINT NUMBER	NORTHING	EASTING	FINISH TBC ELEVATION	TOP UBC ELEVATION	TOP OF SUBGRADE ELEVATION	REMARKS
C1	6720124.1144	1469086.1456	5397.150	5396.067	5395.817	PC, MATCH EXIST. CURB ELEV.
C2	6720126.7957	1469087.6942	5397.210	5396.126	5395.876	TOP ADA CURB CUT
C3	6720134.2823	1469097.3615	5396.948	5396.364	5396.114	BOTTOM ADA CURB CUT
C4	6720135.3459	1469106.5169	5397.126	5396.543	5396.293	BOTTOM ADA CURB CUT
C5	6720133.6994	1469112.4356	5397.689	5396.412	5396.162	PT
C6	6720133.5358	1469112.7966	5397.728	5396.645	5396.395	TOP ADA CURB CUT
C7	6720131.7822	1469116.6539	5397.544	5396.461	5396.211	
C8	6720111.0889	1469162.1708	5395.372	5394.289	5394.039	
C9	6720090.3956	1469207.6877	5393.201	5392.117	5391.867	
C10	6720073.9965	1469244.1735	5391.506	5390.423	5390.173	
C11	6720119.0052	1469265.5702	5392.004	5390.921	5390.671	
C12	6720124.4978	1469268.1813	5392.065	5390.982	5390.732	TOP ADA CURB CUT
C13	6720129.9166	1469270.7573	5391.625	5391.042	5390.792	BOTTOM ADA CURB CUT
C14	6720138.0449	1469274.6214	5391.716	5391.132	5390.882	BOTTOM ADA CURB CUT
C15	6720143.4637	1469277.1975	5392.275	5391.192	5390.942	TOP ADA CURB CUT
C16	6720164.1688	1469287.0405	5392.504	5391.421	5391.171	
C17	6720203.1239	1469305.5593	5392.936	5391.852	5391.602	TOP ADA CURB CUT
C18	6720208.5382	1469308.1332	5392.496	5391.913	5391.663	PC, BOTTOM ADA CURB CUT
C19	6720216.9922	1469313.4844	5392.717	5392.133	5391.883	
C20	6720219.8027	1469315.8688	5393.112	5392.029	5391.779	PT, BOTTOM ADA CURB CUT
C21	6720221.5097	1469317.4303	5393.360	5292.177	5291.927	TOP ADA CURB CUT
C22	6720231.9208	1469326.9538	5393.725	5392.642	5392.392	
C23	6720248.8373	1469342.4281	5394.319	5393.235	5392.985	
C24	6720281.4994	1469372.3056	5395.465	5394.381	5394.131	
C25	6720379.1766	1469248.6921	5399.035	5397.951	5397.701	
C26	6720351.9828	1469236.3619	5398.956	5397.872	5397.622	
C27	6720306.4452	1469215.7141	5398.824	5397.740	5397.490	
C28	1469195.0664	1469195.0664	5398.692	5397.608	5397.358	
C29	1469174.4186	1469174.4186	5398.560	5397.476	5397.226	
C30	6720179.9295	1469158.3491	5398.457	5397.374	5397.124	
C31	6720170.8457	1469154.2303	5398.100	5397.017	5396.767	PC
C32	6720160.7382	1469128.0991	5398.022	5396.939	5396.689	PT
C33	6720161.7010	1469125.8650	5398.000	5396.917	5396.667	PC, TOP ADA CURB CUT
C34	6720164.7950	1469120.7414	5397.428	5396.845	5396.595	BOTTOM ADA CURB CUT
C35	6720174.8180	1469114.1750	5397.234	5396.651	5396.401	BOTTOM ADA CURB CUT
C36	6720180.7267	1469113.4265	5397.639	5396.556	5396.306	TOP ADA CURB CUT
C37	6720188.6316	1469115.1990	5397.510	5396.427	5396.177	PT
C38	6720218.6710	1469129.0690	5398.030	5396.947	5396.697	MATCH EXIST. CURB ELEV.

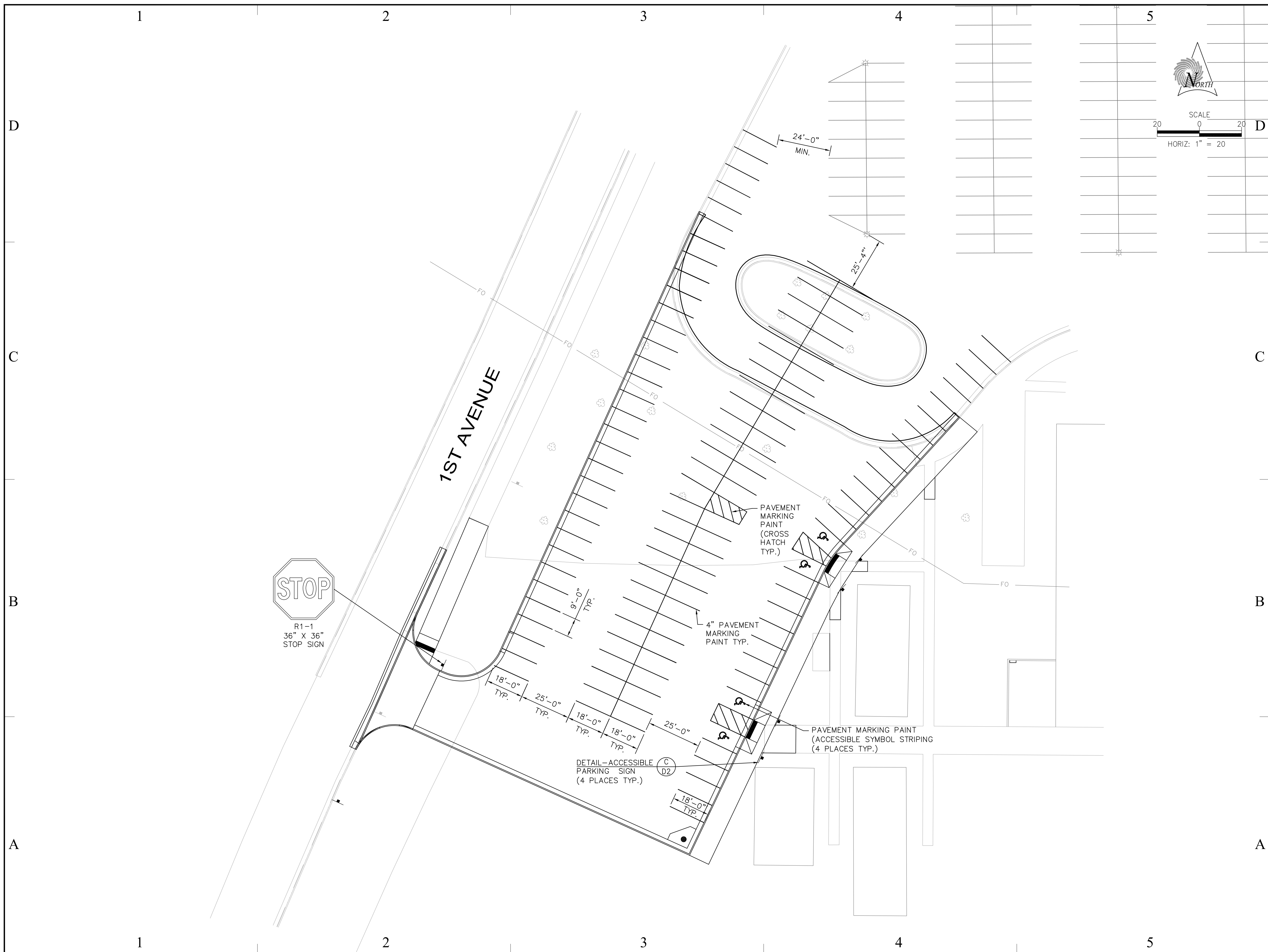
CONCRETE SIDEWALK POINT TABLE						
POINT NUMBER	NORTHING	EASTING	FINISH TOP BACK SIDEWALK ELEVATION	TOP UBC ELEVATION	TOP OF SUBGRADE ELEVATION	REMARKS
S1	6720069.7023	1469253.2046	5391.610	5391.360	5391.110	
S2	6720114.8659	1469274.6749	5392.196	5391.946	5391.696	
S3	6720120.1994	1469277.2103	5392.266	5392.016	5391.766	
S4	6720125.6182	1469279.7864	5392.205	5391.955	5391.705	
S5	6720133.7465	1469283.6505	5392.295	5392.045	5391.795	
S6	6720139.1653	1469286.2266	5392.476	5392.226	5391.976	
S7	6720160.0296	1469296.1452	5392.633	5392.383	5392.133	
S8	6720190.6534	1469310.7034	5392.865	5392.615	5392.365	
S9	6720198.8305	1469314.5907	5392.956	5392.706	5392.456	
S10	6720201.5381	1469315.8280	5393.030	5392.780	5392.530	
S11	6720203.1899	1469316.5828	5393.076	5392.826	5392.576	
S12	6720208.5215	1469319.9576	5393.215	5392.965	5392.715	
S13	6720211.6438	1469321.9340	5393.297	5393.047	5392.797	
S14	6720214.7598	1469324.8086	5393.380	5393.130	5392.880	
S15	6720244.3509	1469352.2965	5394.482	5394.232	5393.982	
S16	6720274.7570	1469380.5415	5395.615	5395.365	5395.115	
S17	6720175.4440	1469125.3396	5397.927	5397.677	5397.427	
S18	6720179.4020	1469116.1562	5397.734	5397.484	5397.234	
S19	6720229.9320	1469148.8070	5398.490	5398.240	5397.990	
S20	6720234.1850	1469139.7850	5398.300	5398.050	5397.800	

ASPHALT PARKING LOT POINTS						
POINT NUMBER	NORTHING	EASTING	FINISH ASPAHLT PAVEMENT ELEVATION	TOP UBC ELEVATION	TOP OF SUBGRADE ELEVATION	REMARKS
P1	6720156.6058	1469182.8641	5396.136	5395.844	5395.344	
P2	6720135.9125	1469228.3810	5393.293	5393.001	5392.501	
P3	6720129.7247	1469250.1820	5392.063	5391.772	5391.272	
P4	6720154.1095	1469261.7743	5392.333	5392.042	5391.542	
P5	6720181.4294	1469249.0743	5393.837	5393.545	5393.045	
P6	6720202.1227	1469203.5574	5396.650	5396.359	5395.859	
P7	6720247.6396	1469224.2507	5397.208	5396.916	5396.416	
P8	6720226.9463	1469269.7676	5394.392	5394.101	5393.601	
P9	6720211.0074	1469288.8230	5392.970	5392.678	5392.178	
P10	6720234.3300	1469303.4305	5393.391	5393.099	5392.599	
P11	6720251.7699	1469335.9777	5394.393	5394.101	5393.601	
P12	6720272.4632	1469290.4609	5395.500	5395.208	5394.708	
P13	6720293.1565	1469244.9440	5397.362	5397.070	5396.570	

RADUIS POINTS			
POINT NUMBER	NORTHING	EASTING	RADUIS
R1	6720115.4802	1469104.1859	20'-0"
R2	6720180.2453	1469133.3558	20'-0"
R3	6720179.1048	1469136.0153	20'-0"
R4	6720186.1313	1469352.8314	50'-0"

LIGHTPOLE POINTS			
POINT NUMBER	NORTHING	EASTING	TOP OF FOUNDATION ELEVATION
L1	6720335.4045	1469227.0310	5401.862
L2	6720268.1149	1469362.7727	5398.058
L3	6720232.3115	1469248.5553	5395.561
L4	6720205.4568	1469167.7282	5400.857
L5	6720153.8923	1469284.3688	5395.418
L6	6720097.5021	1469187.4621	5396.653





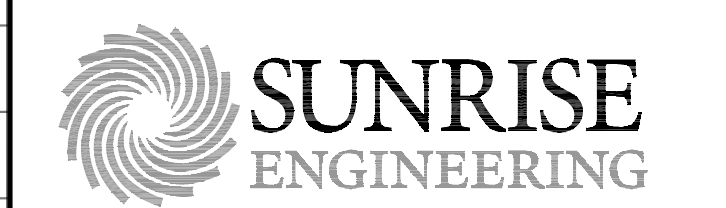
SCALE

20 0 20

HORIZ: 1" = 20

The logo for the State of Utah Department of Administrative Services. It features the text "State of Utah" in a large, bold, serif font. Below it, "Department of Administrative Services" is written in a smaller, sans-serif font. To the left of the text is a square containing a stylized outline of the state of Utah with an arrow pointing upwards and to the right. Below the square is the acronym "DFCVM" in a bold, sans-serif font.

DESIGNED BY:



PREPARED BY:
SUNRISE ENGINEERING, INC.
25 EAST 500 NORTH
FILLMORE, UTAH 84631
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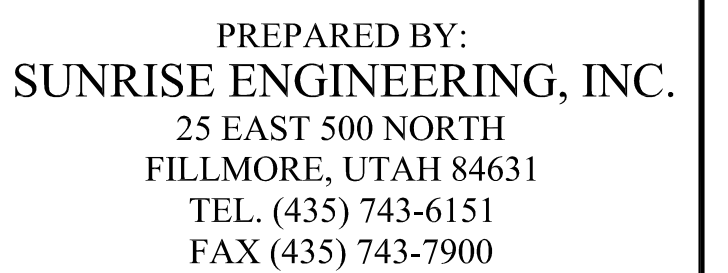
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PLAN SHEET - SIGNING
STRIPING PLAN

DRAWING NUMBER

P3

SHEET 7 OF 16



PROJECT NAME:

SNOW COLLEGE RICHFIELD PARKING IMPROVEMENTS

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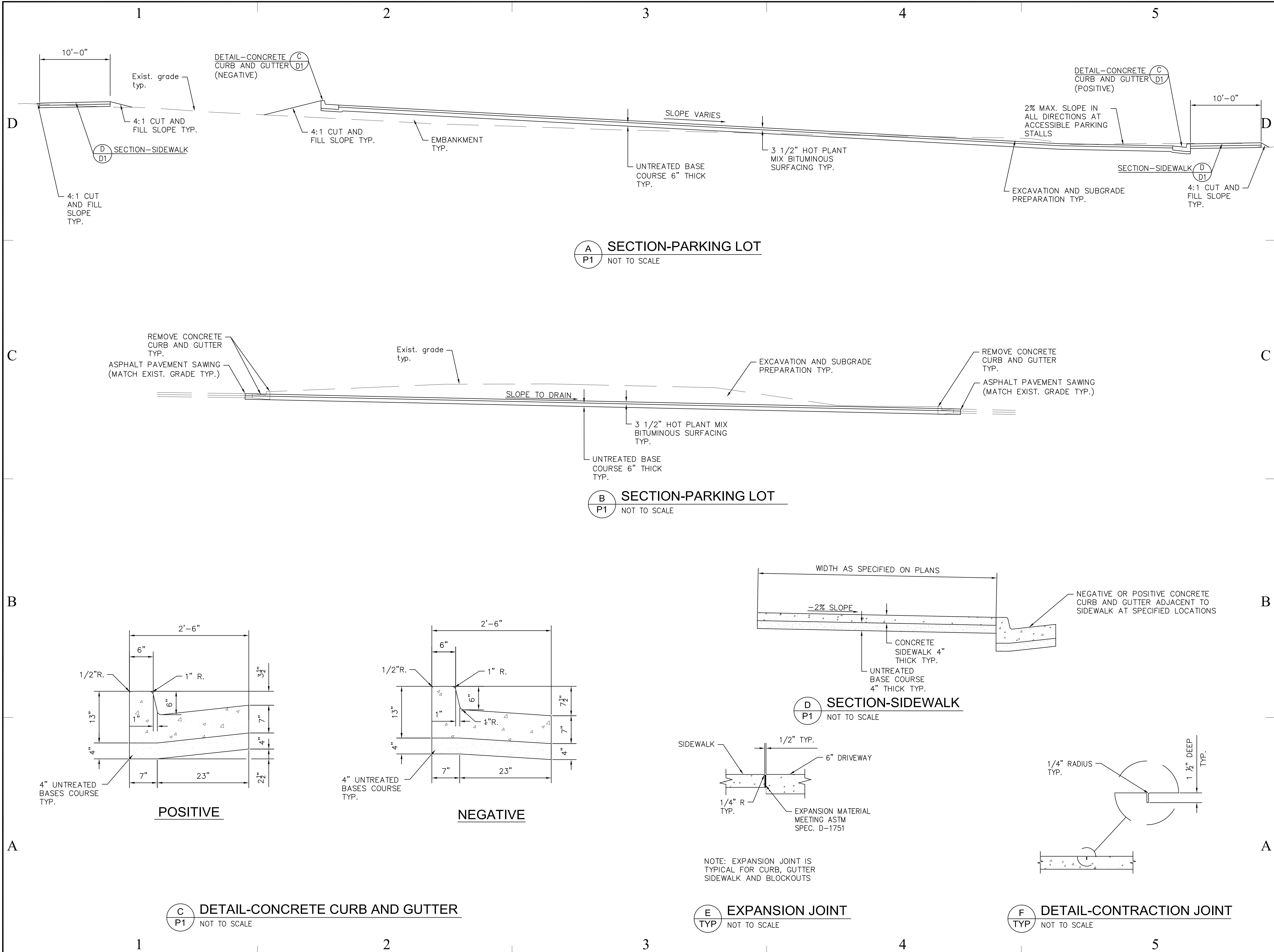
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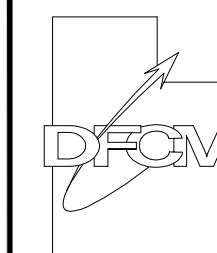
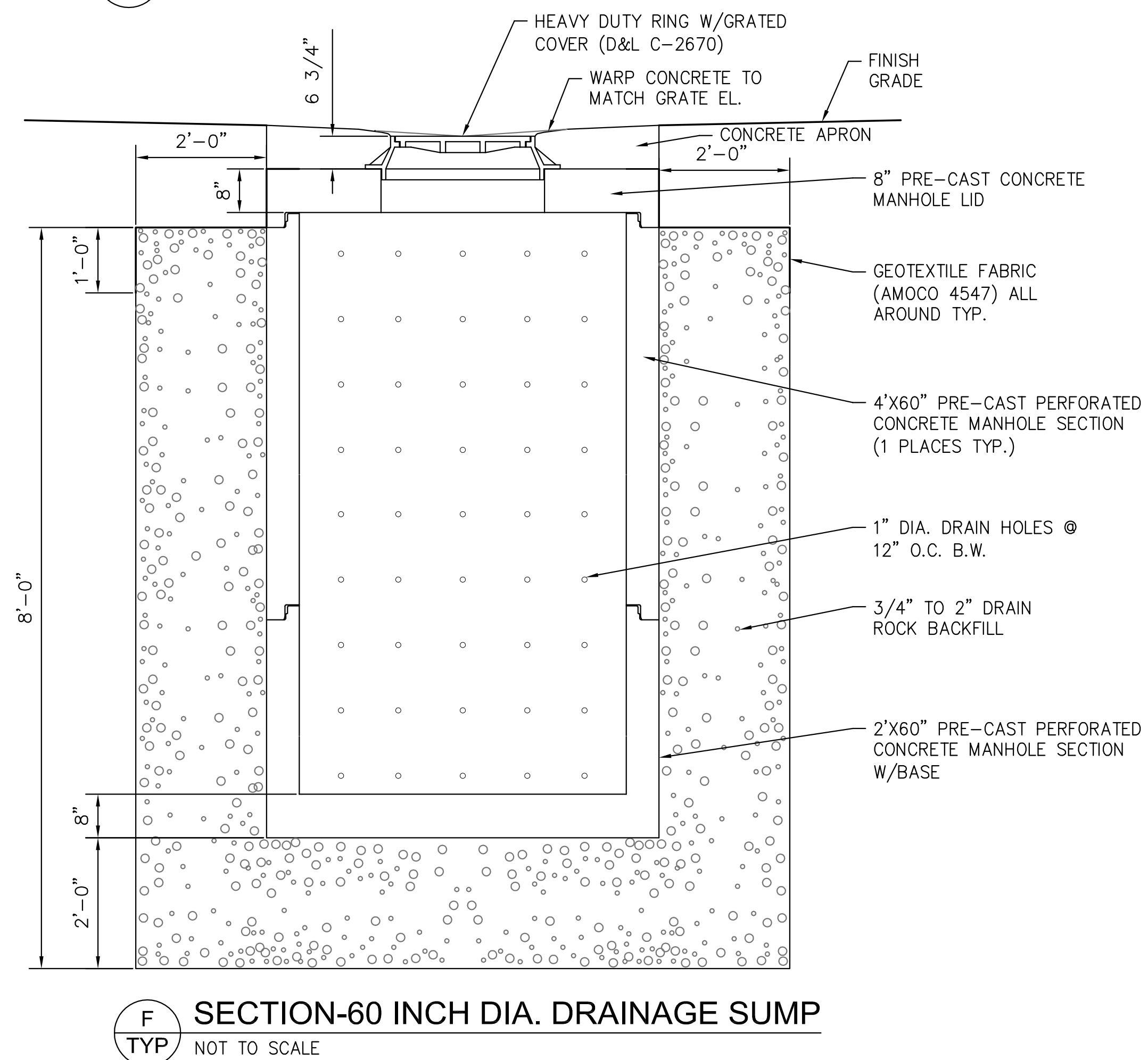
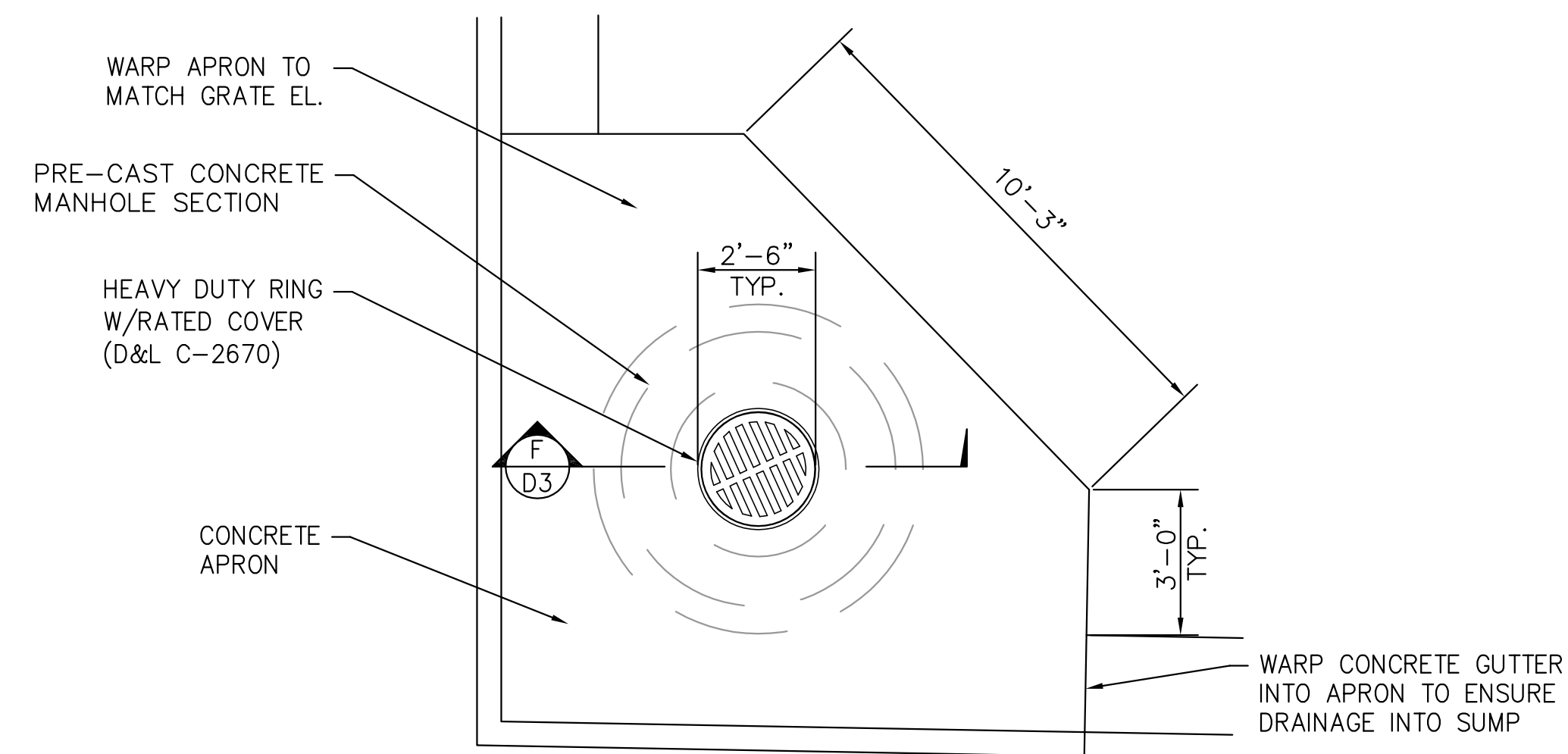
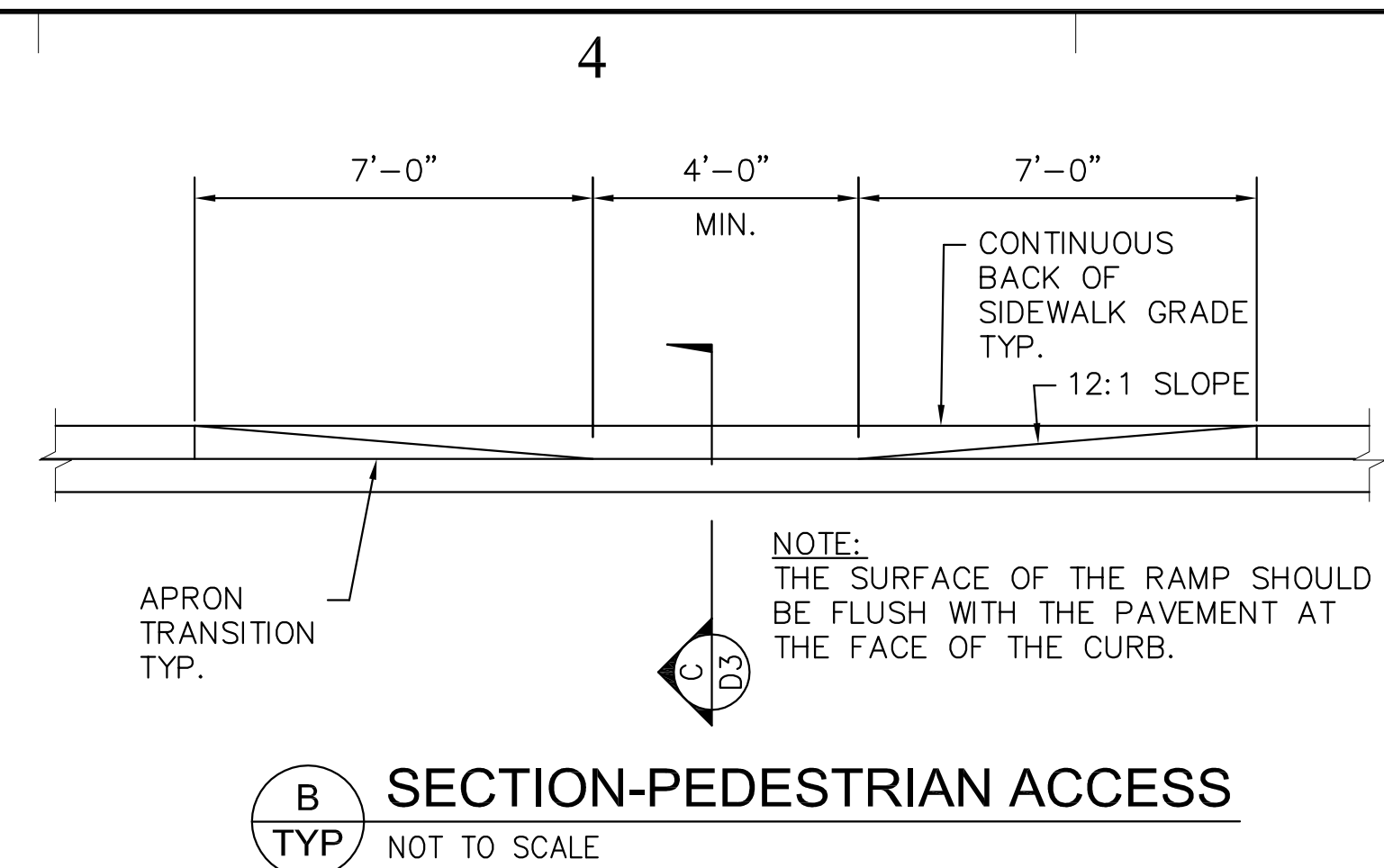
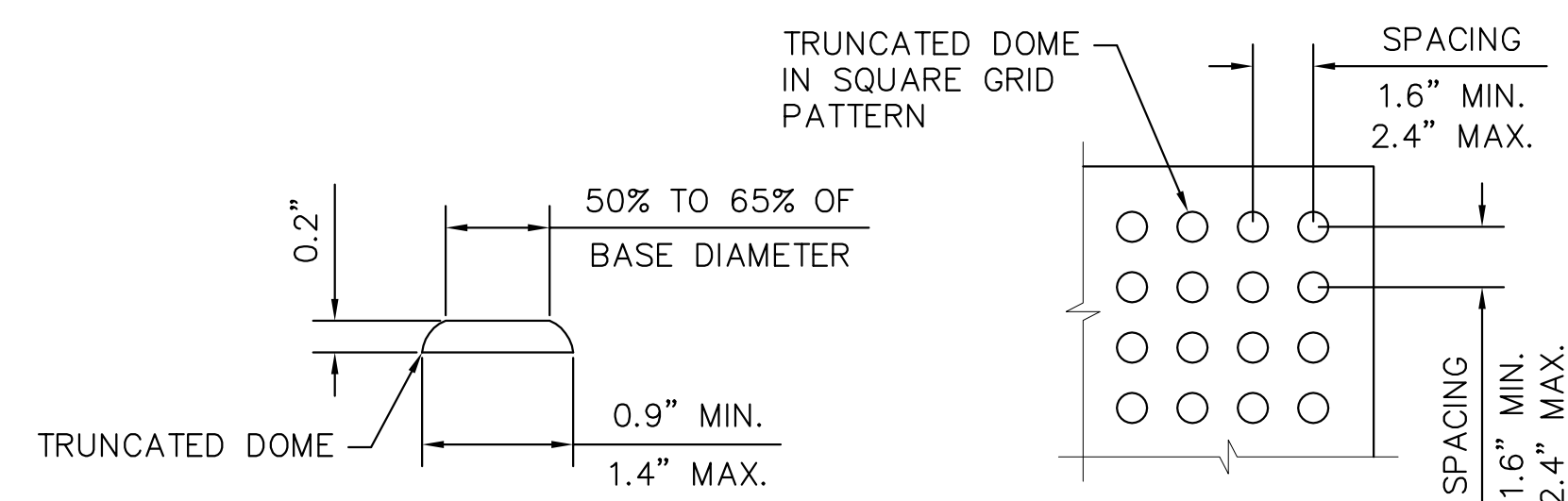
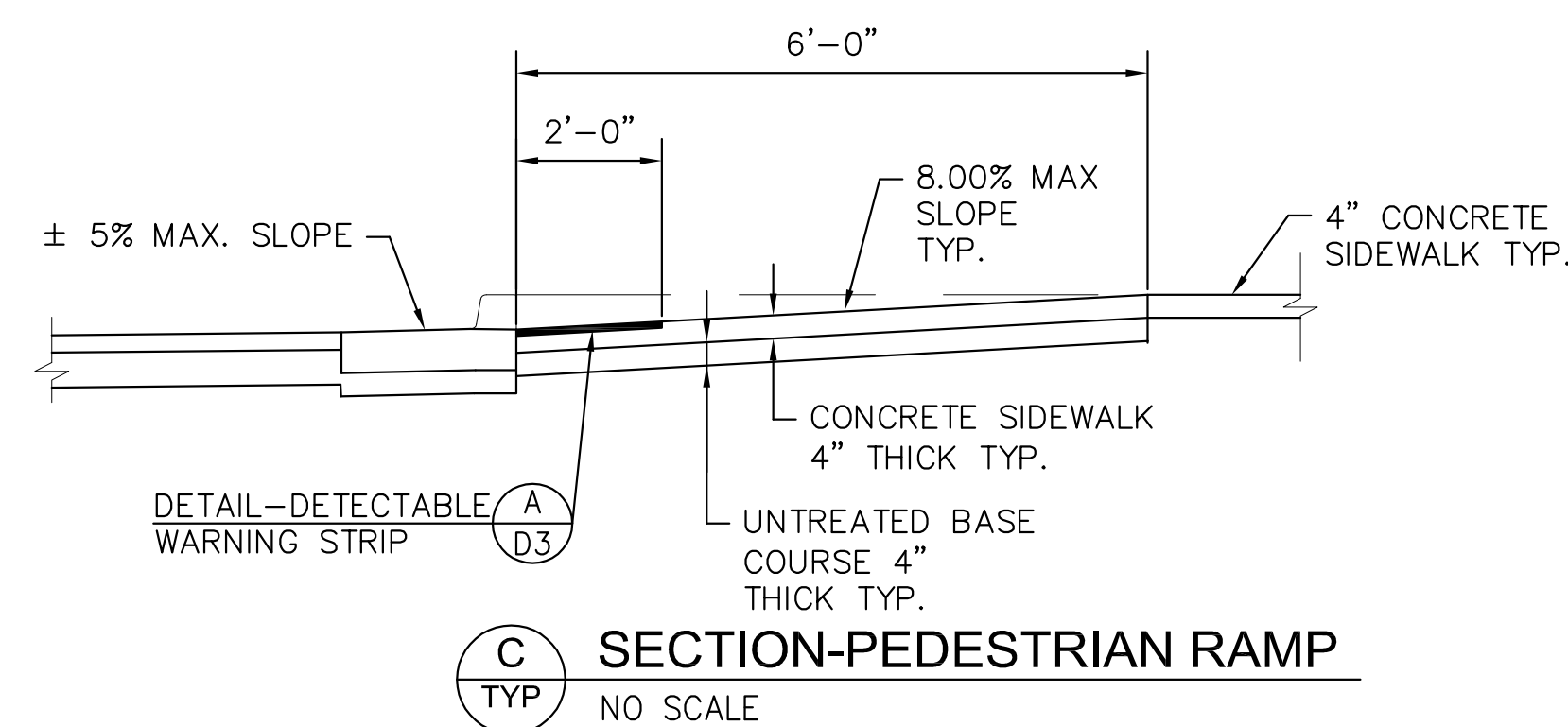
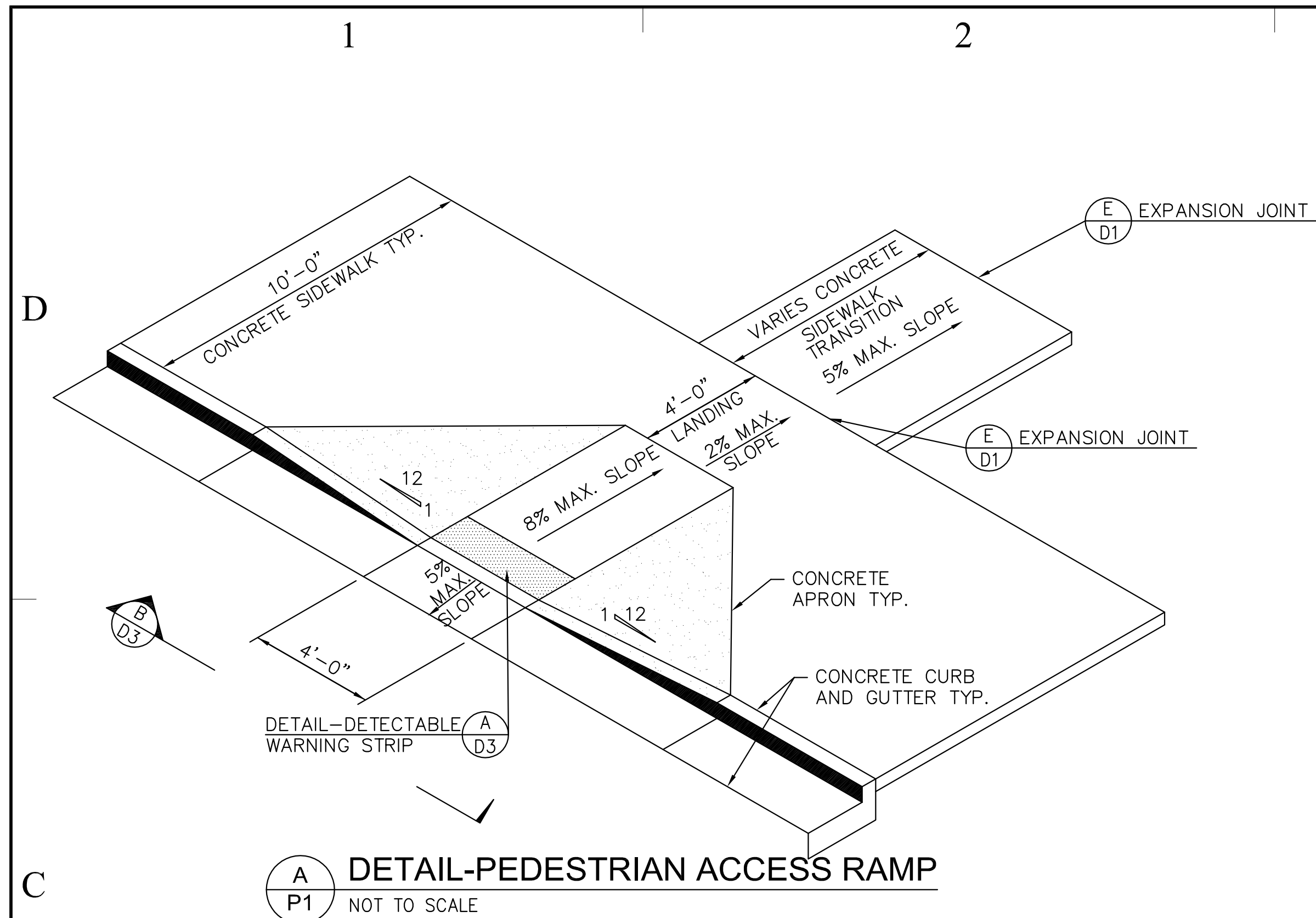
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SHEET 8 OF 16

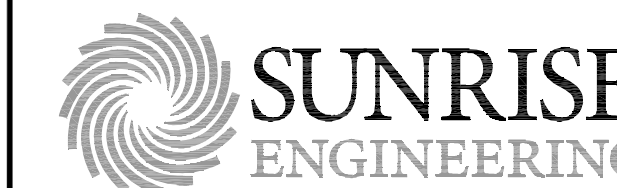




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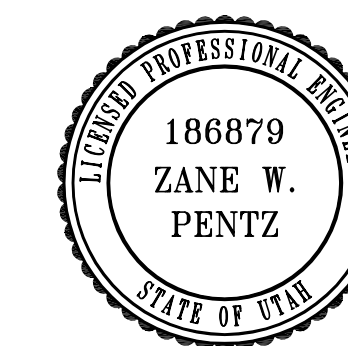


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PROJECT NAME:

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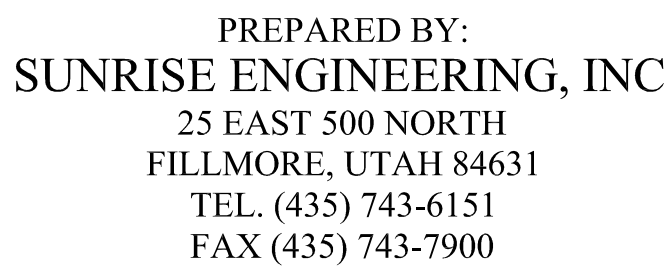
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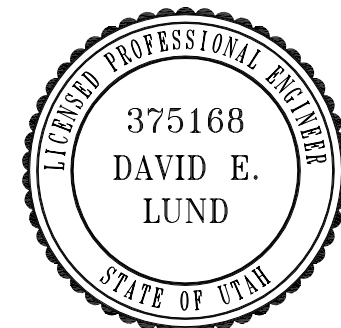
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LIGHTING SHEET -
ELECTRICAL INDEX

DRAWING NUMBER

E-1

SHEET 11 OF 16

GENERAL ELECTRICAL REQUIREMENTS



GENERAL ELECTRICAL ABBREVIATIONS

MCP	MOTOR CIRCUIT PROTECTOR	C	CONDUIT	ACB	AIR CIRCUIT BREAKER	SPIC	SPARE INSTRUMENT CONDUIT
NC	NORMALLY CLOSED	CB	CIRCUIT BREAKER	AFF	ABOVE FINISHED FLOOR	WP	WEATHERPROOF
NO	NORMALLY OPEN	CNTL	CONTROL	AFG	ABOVE FINISHED GRADE	OL	MOTOR OVERLOAD
SPC	SPARE CONDUIT	IC	INSTRUMENTATION CONDUIT	EMH	ELECTRICAL MANHOLE	LP	LIGHTING PANEL
PLC	PROGRAMMABLE LOGIC CONTROLLER	INST	INSTRUMENT	MTU	MASTER TERMINAL UNIT	RTU	REMOTE TERMINAL UNIT
ATS	AUTOMATIC TRANSFER SWITCH	HMI	HUMAN MACHINE INTERFACE	TSP	TWISTED SHIELDED PAIRS	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
LCP	LOCAL CONTROL PANEL	RVSS	REDUCED VOLTAGE SOLID STATE			PP	POWER PANEL

1. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE ORDINANCES AND REGULATIONS. CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES. ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED N.E.C.A. STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION. INSTALL GROUNDING AND ALL ELECTRICAL WORK AS REQUIRED BY THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ANY OTHER APPLICABLE CODES.
2. CONTRACTOR SHALL COMPLY WITH THE LATEST VERSION OF THE UTILITY ELECTRIC SERVICE REQUIREMENTS (ESR) OF PACIFIC POWER, ROCKY MOUNTAIN POWER OR THE POWER COMPANY SERVING THE PROJECT.
3. MATERIAL, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE SECTION 16000 & 17000 PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
4. VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
5. ALL MATERIALS SHALL BE NEW AND OF THE BEST QUALITY, MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, U.L. OR OTHER APPLICABLE STANDARDS. THE USE OF MANUFACTURER'S NAMES, MODELS AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS AND BID PRICE. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER BEFORE ORDERING.
6. PROTECT ALL ELECTRICAL MATERIAL AND EQUIPMENT INSTALLED UNDER THIS DIVISION AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITIONS WILL BE REJECTED AS DEFECTIVE.
7. LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
8. ALL CONDUCTORS SHALL BE THHN/THWN COPPER 90° C, STRANDED RATED AT 600 VOLTS UNLESS OTHERWISE NOTED. ALUMINUM WIRE WILL NOT BE ALLOWED.
9. ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC. MINIMUM DEPTH 30", MINIMUM SIZE 3/4". ALL UNDERGROUND ELBOWS SHALL BE RIGID LONG SWEEP WRAPPED WITH 3M-50 10 MIL PIPE WRAP OR APPROVED EQUAL EXCEPT FOR COMMUNICATIONS CABLE AND CONDUIT WHEN SPECIFIED DIFFERENTLY ON THE DETAILED ELECTRICAL DRAWINGS.
10. ALL EXPOSED CONDUIT SHALL BE IMC OR RIGID STEEL CONDUIT, WITH A MINIMUM SIZE OF 3/4" EXCEPT FOR COMMUNICATIONS CABLE CONDUIT WHEN SPECIFIED DIFFERENTLY ON THE DETAILED ELECTRICAL DRAWINGS.
11. ALL SAFETY SWITCHES AND OTHER DISTRIBUTION AND CONTROL ELECTRICAL EQUIPMENT SHALL BE RATED FOR HEAVY DUTY SERVICE.
12. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE GROUNDED BODY TYPE DEVICES.
13. THE CONTRACTOR SHALL INSTALL ALL INSTRUMENTS AND CONTROLS, INCLUDING HVAC AND CONTROL PANELS. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL INSTRUMENT, CONTROL AND HVAC DRAWINGS FOR TOTAL SCOPE OF WORK.
14. ALL PANELS, DISCONNECTS AND SWITCH GEAR ON THE OUTSIDE OF THE BUILDING SHALL BE NEMA 3R TYPE ENCLOSURES. CT CABINET AND METER BASE SHALL BE OUTSIDE THE BUILDING.
15. SURGE SUPPRESSOR SHALL BE SIZED FOR 160KA AMPS UNLESS OTHERWISE NOTED.
16. ALL CONDUIT FOR ALL EQUIPMENT, INCLUDING EQUIPMENT FURNISHED BY OTHERS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
17. ALL CONDUIT, WHERE LEAVING ELECTRICAL EQUIPMENT TO GO UNDERGROUND, MUST BE ANCHORED TO THE FOUNDATION W/6" STAND-OFF BRACKETS TO ALLOW FOR CLEARANCE FOR FOOTING AND WALL STUDS ON THE WALLS IN THE BUILDING. ALL RGS CONDUIT AND ELBOWS USED UNDERGROUND WILL BE WRAPPED WITH AN APPROVED PIPE WRAP. (TYP. FOR ALL BUILDINGS)

D

C

B

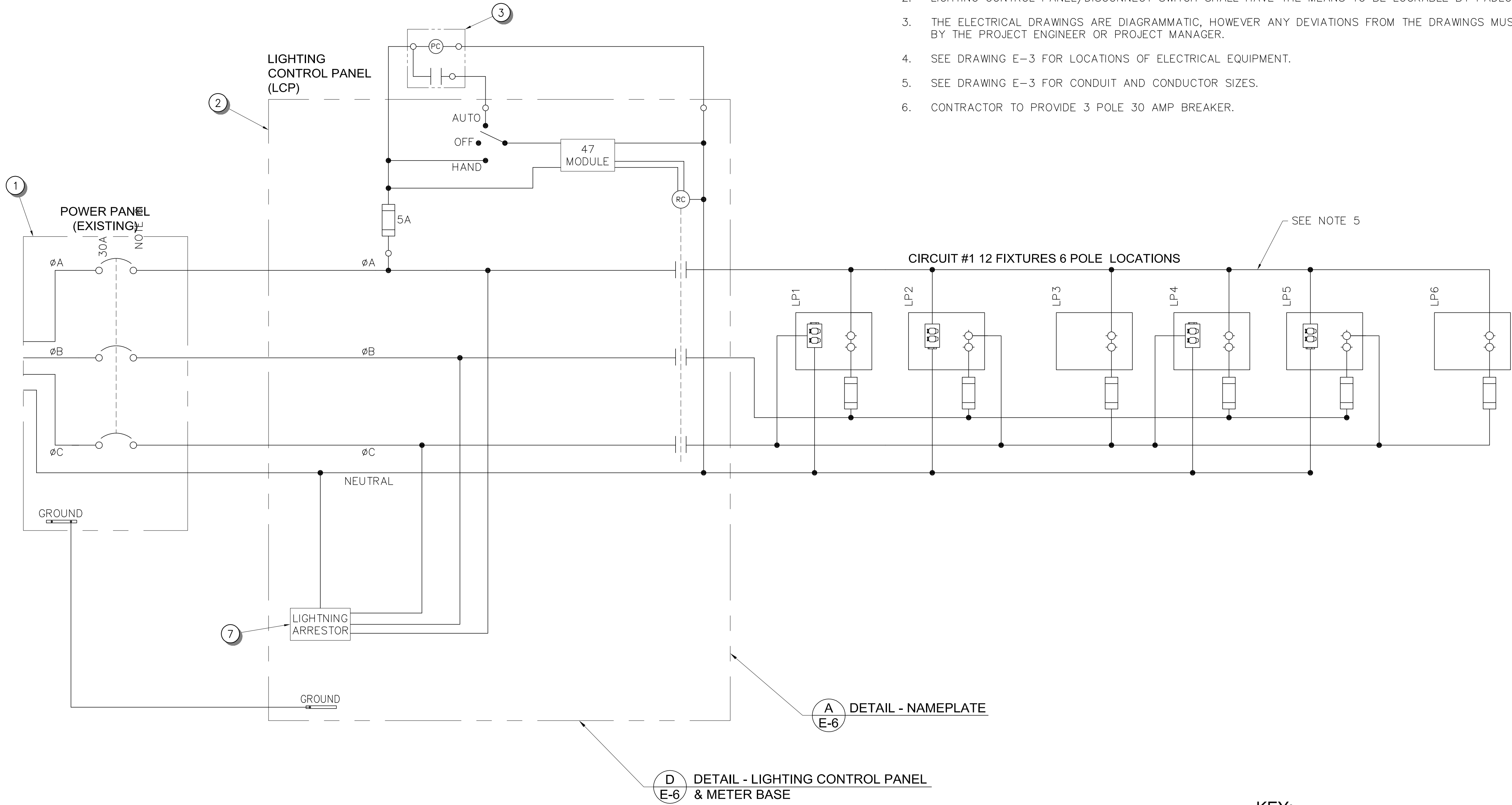
A

ELECTRICAL EQUIPMENT SCHEDULE					
Item #	Description	Quantity	Model #	Manufacturer	Comments
1	POWER PANEL (EXISTING)	1	.	.	.
2	LIGHTING CONTROL PANEL NEMA 3R LOCKABLE	1	6418S12CD	ASCO	PROVIDE WITH NEMA 3R ENCLOSURE
3	PHOTOCELL	1	K4423M	INTERMATIC	OR APPROVED EQUAL
4	250W METAL HALIDE LIGHT FIXTURE	12	EH19-2-3-250MH-208-BRA-LF	GARDCO	OR APPROVED EQUAL
5	4" STRAIGHT SQUARE STEEL	6	SSS-20-4-7-D2-BRP-FES	GARDCO	OR APPROVED EQUAL
6	CONCRETE PULL BOX	4	C9E W/C9T LID	BES CONCRETE PRODUCTS	OR APPROVED EQUAL
7	LIGHTNING ARRESSTOR	1	SDSA3650	SQUARE D	OR APPROVED EQUAL

LIGHTING SCHEMATIC DIAGRAM/ELECTRICAL EQUIPMENT SCHEDULE

NOTES:

- IT WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS AND EQUIPMENT SHOWN AS PART OF THIS LIGHTING SYSTEM.
- LIGHTING CONTROL PANEL/DISCONNECT SWITCH SHALL HAVE THE MEANS TO BE LOCKABLE BY PADLOCK.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, HOWEVER ANY DEVIATIONS FROM THE DRAWINGS MUST BE APPROVED BY THE PROJECT ENGINEER OR PROJECT MANAGER.
- SEE DRAWING E-3 FOR LOCATIONS OF ELECTRICAL EQUIPMENT.
- SEE DRAWING E-3 FOR CONDUIT AND CONDUCTOR SIZES.
- CONTRACTOR TO PROVIDE 3 POLE 30 AMP BREAKER.



- KEY:
- 250W METAL HALIDE LIGHT/POLE FIXTURE
 - FESTOON RECEPTACLE

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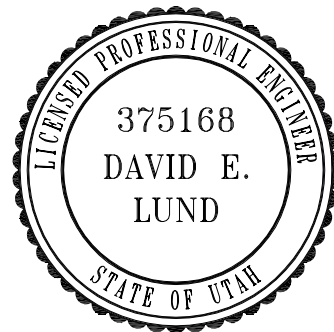


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LIGHTING SHEET -
SCHEMATIC/EQUIPMENT
SCHEDULE

DRAWING NUMBER

E-2

NOTES:

1. SEE DRAWING E-2 FOR ELECTRICAL EQUIPMENT SCHEDULE.



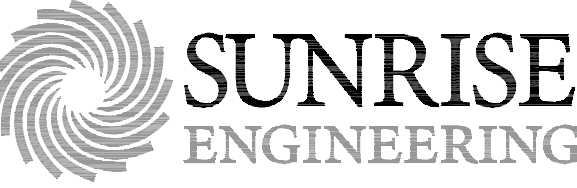
SCALE
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HORIZ: 1" = 20'

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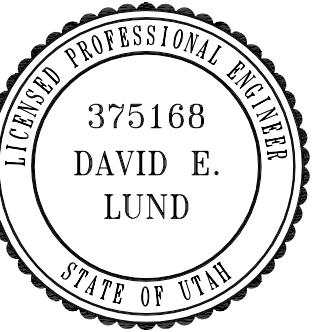


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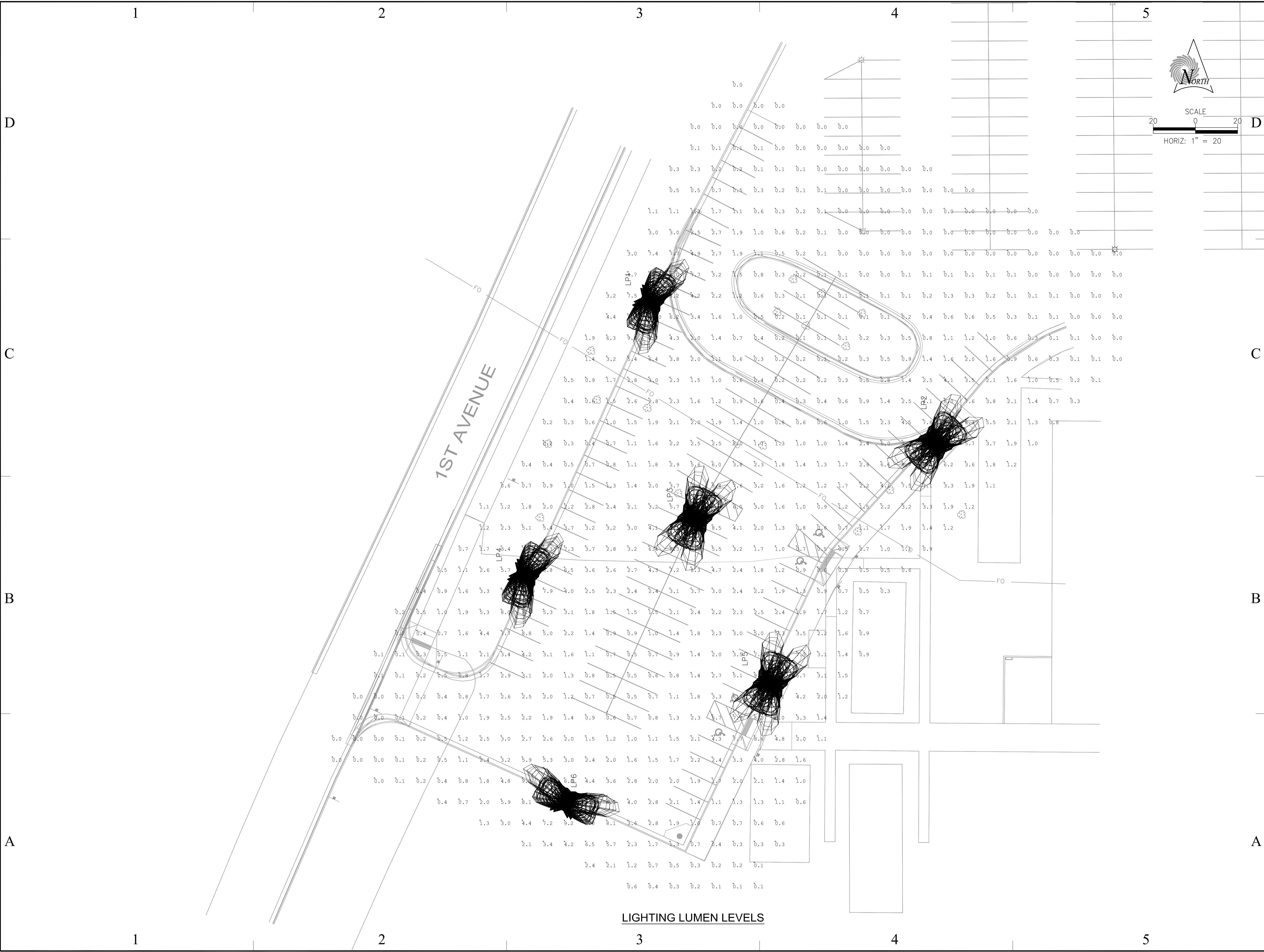
LIGHTING SHEET -
ELECTRICAL PLAN

DRAWING NUMBER

E-3

SHEET 13 OF 16

ELECTRICAL PLAN



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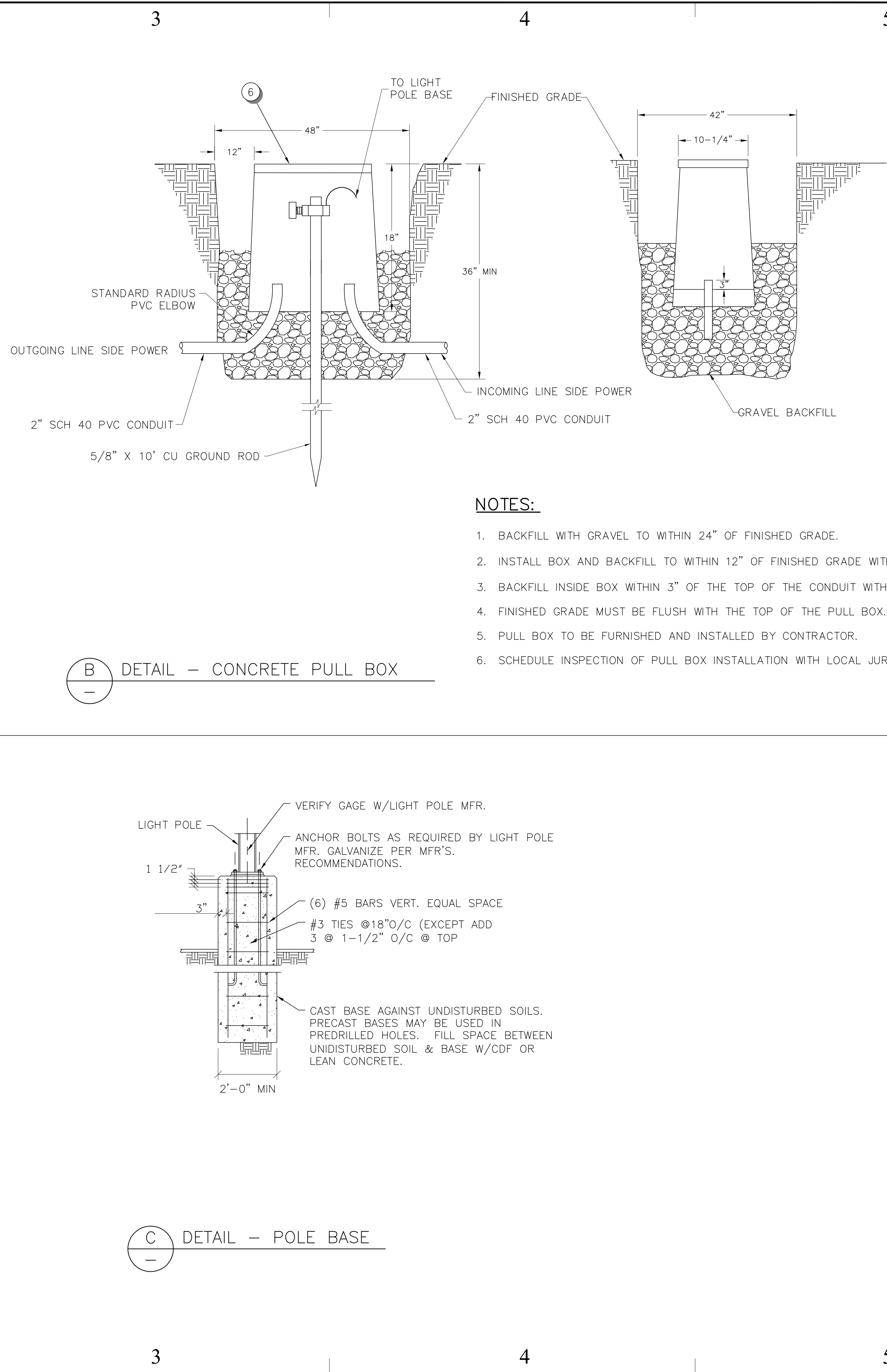
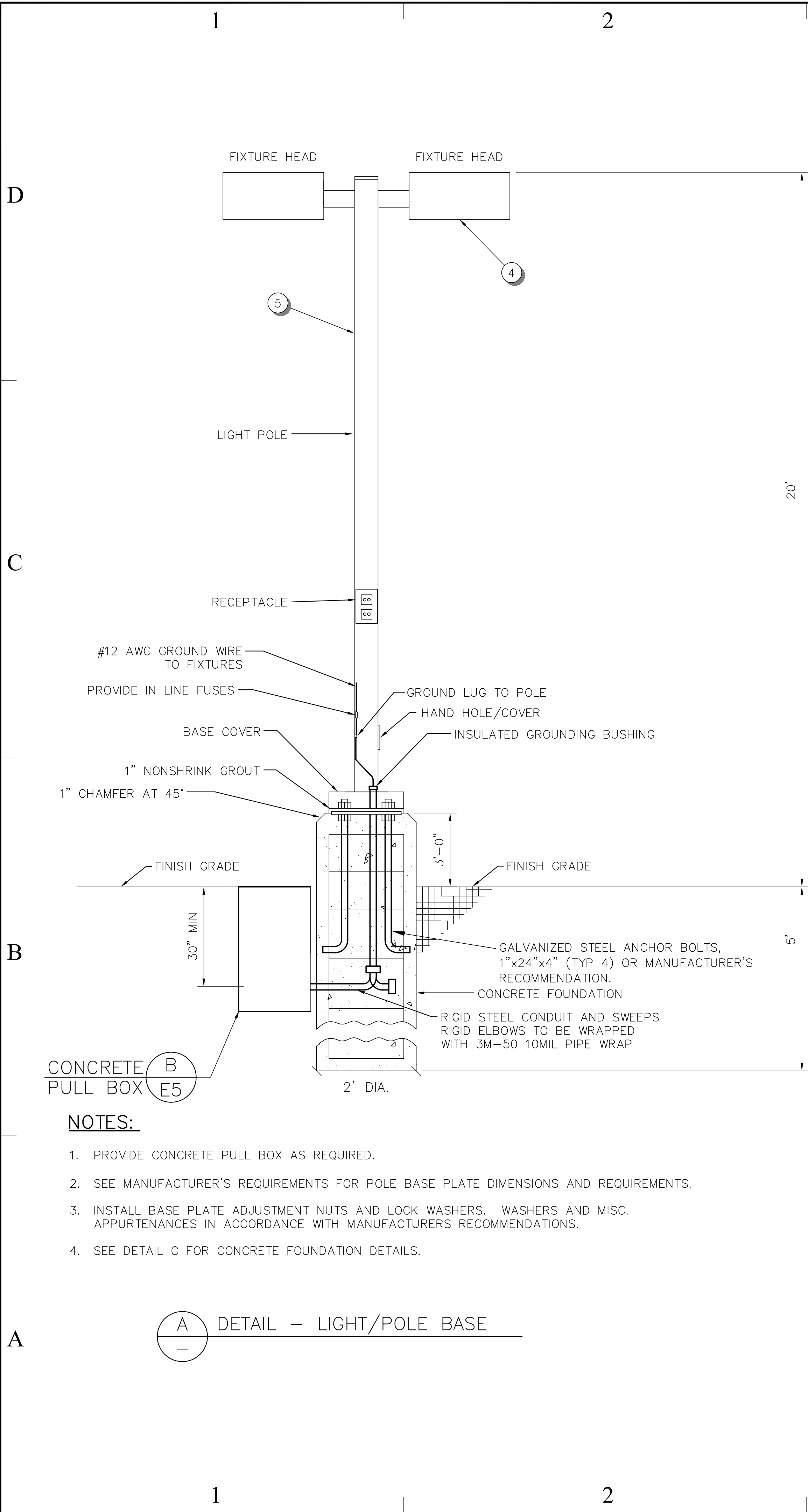
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LIGHTING SHEET - LIGHTING LUMEN LEVELS		
DRAWING NUMBER		
E-4		
SHEET 14 OF 16		



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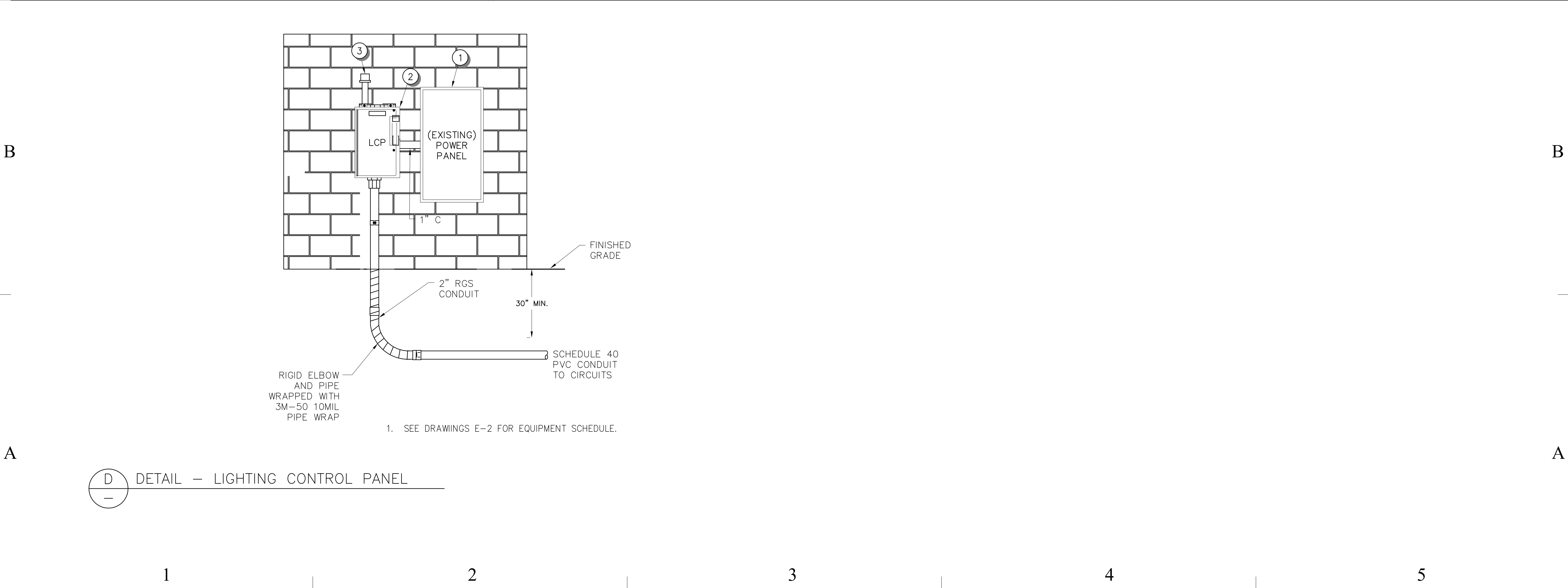
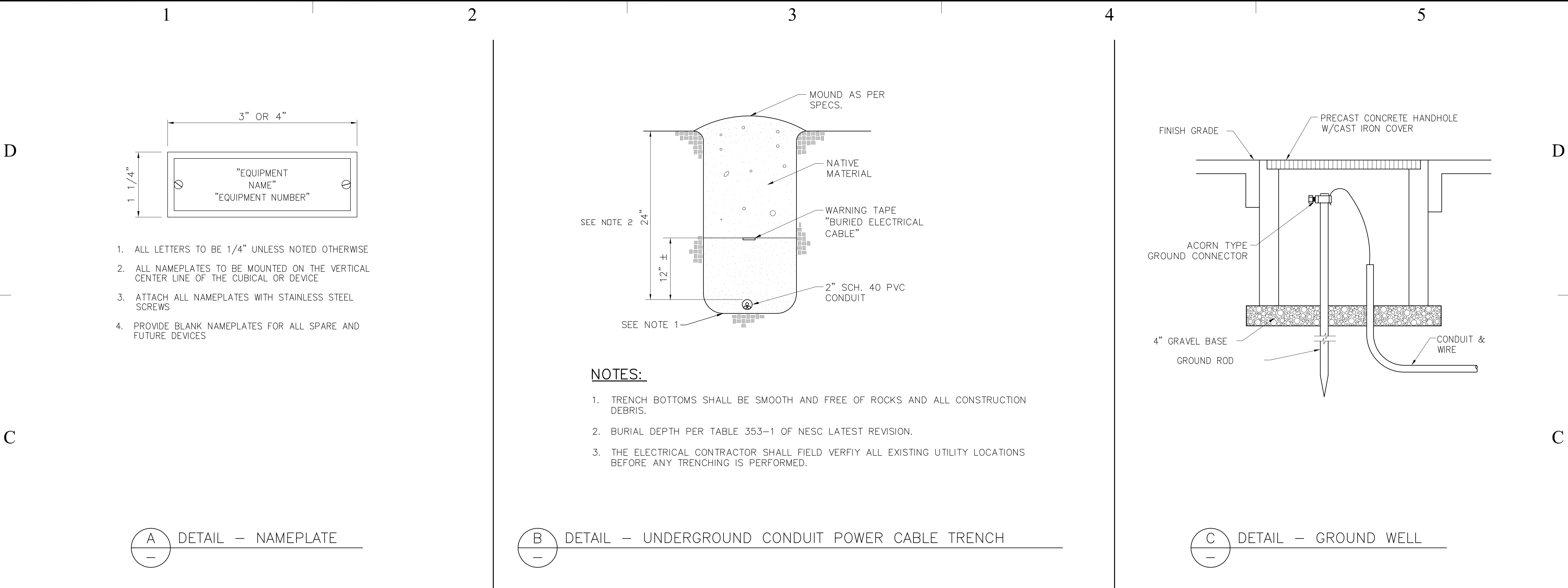
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E-5		
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